SCHEMATIC DIAGRAMS MOD.

Chorale

ELECTRONIC ORGAN



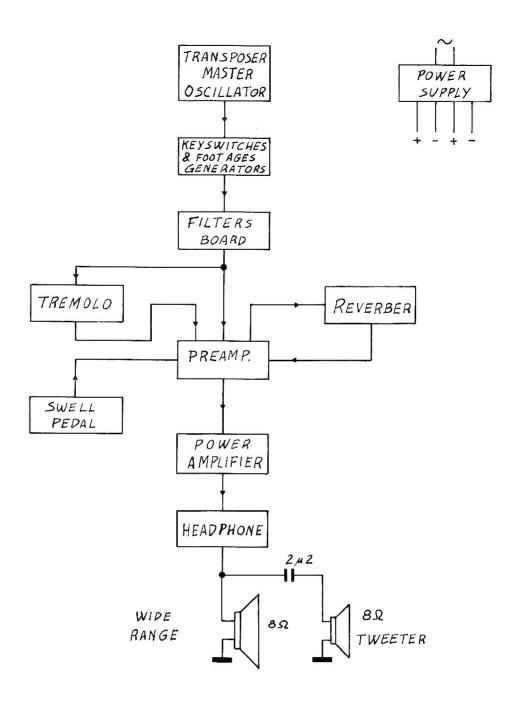
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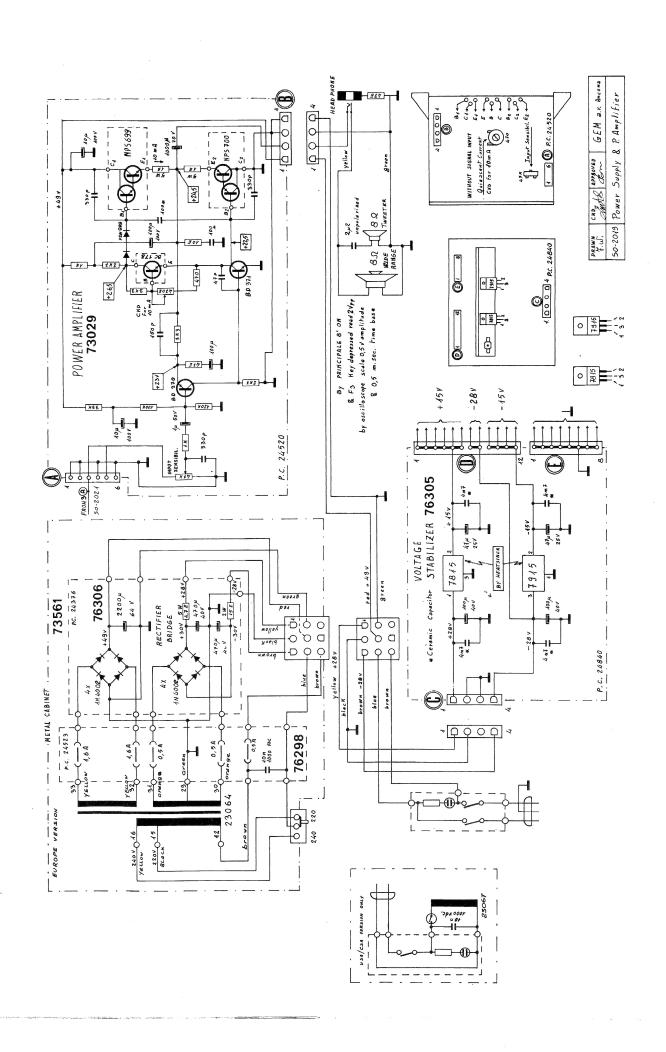
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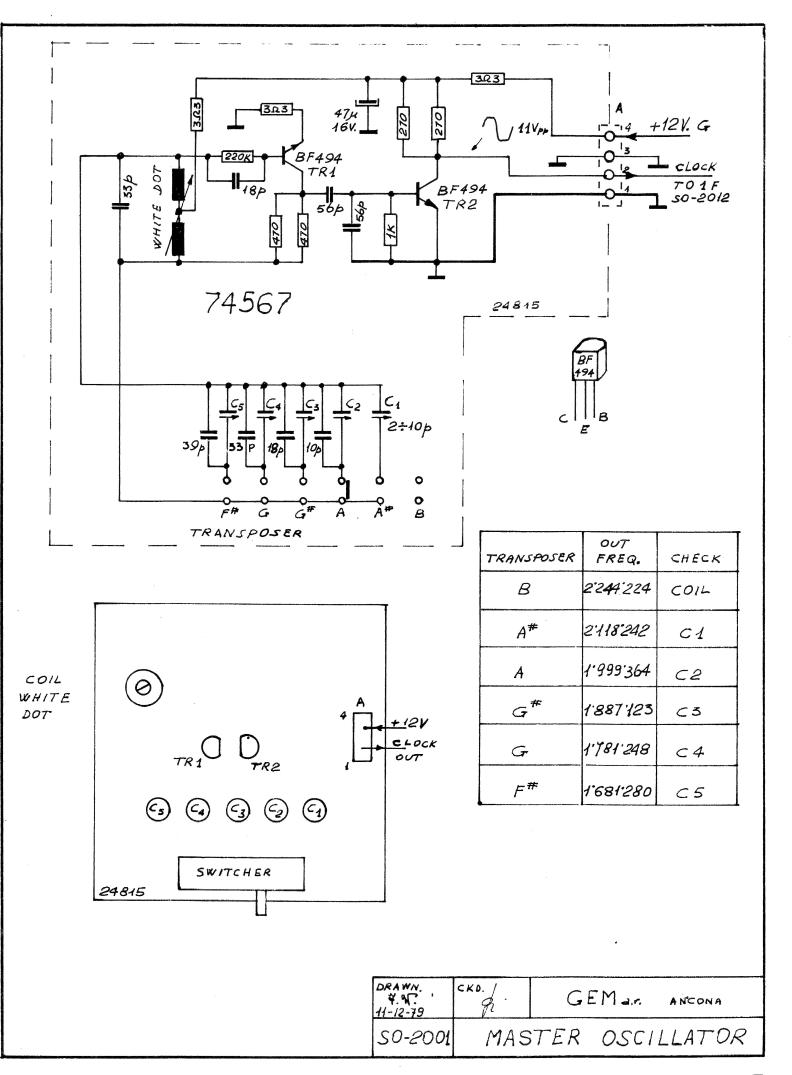
PAGE	D.W.G.	DESCRIPTION
1	SO 201 8	BLOCK DIAGRAM
2	SO 2019	POWER SUPPLY & AMPLIFIER
3	SO 2001	MASTER OSCILLATOR
4	SO 2020	KEYSWITCHES & FOOTAGES GENERATOR
5	SO 2021	FILTER, PREAMPLIFIER & REVERB.
6	SO 2022	FILTER MODULE
7/10	-	PART LIST
:		

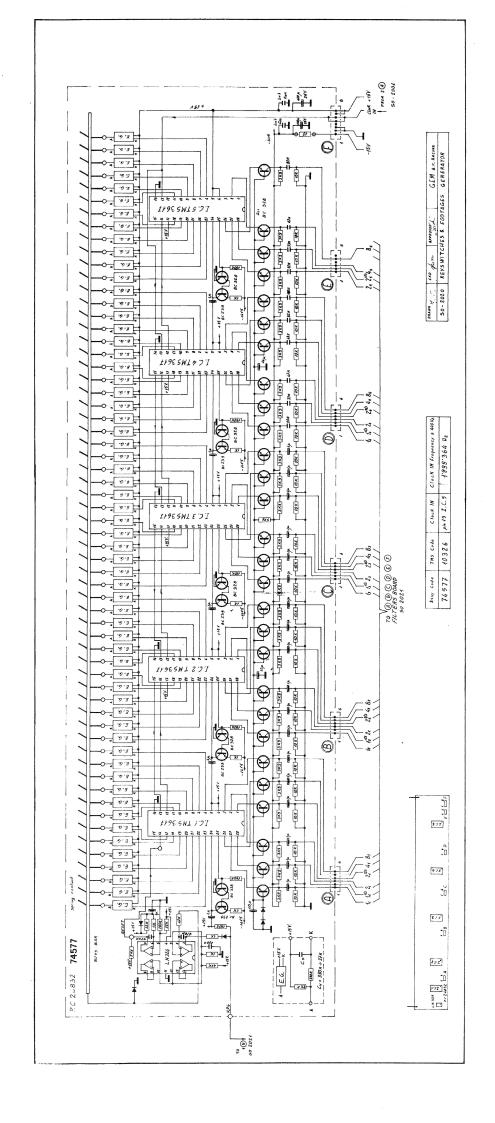
CHORALE BLOCK DIAGRAM

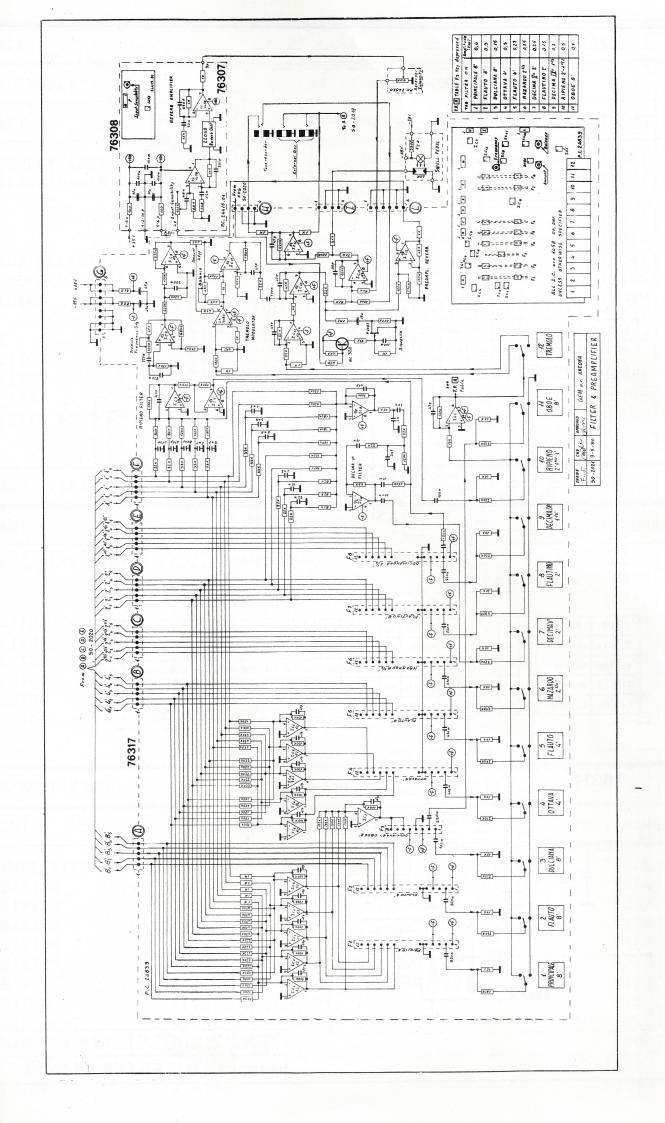


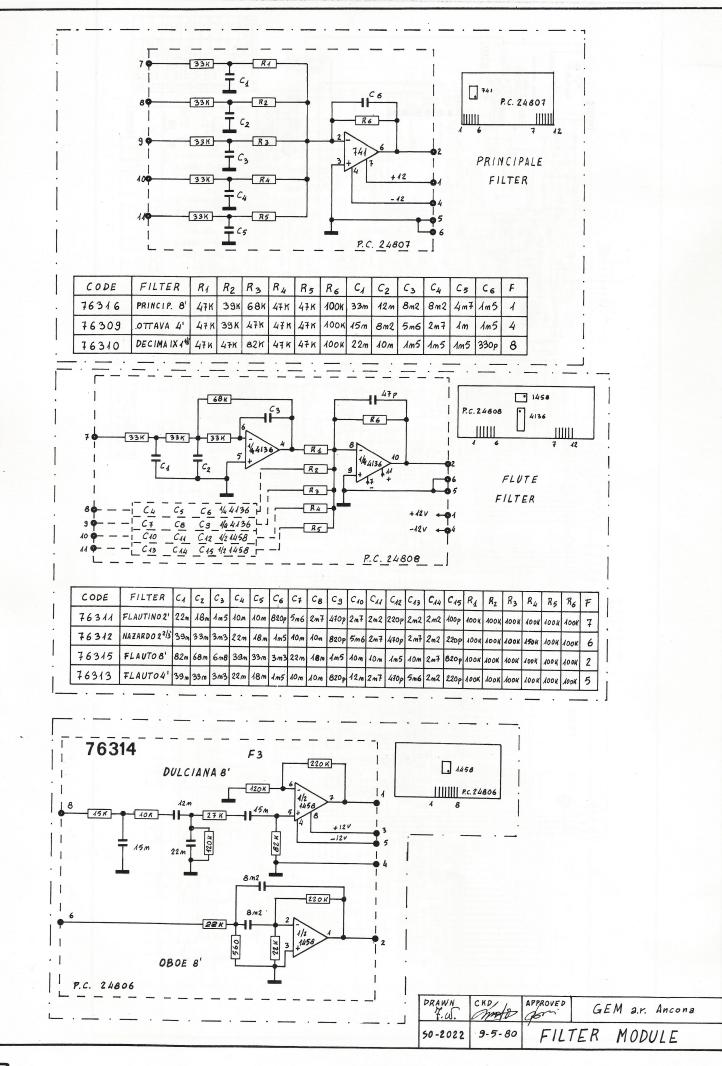
DRAWN F.W.	CKD,	APPROVED	GEM a.r. Ancona
50-2018	14-5-80	CHORALE	BLOCK DIAGRAM











CHORALE	PART LIST COD	E 99.045
POWER SUPPLY	SCHEMATIC REF. SO-2019	
PART	DESCRIPTION	PART NUMBER
PWR SUPPLY ASSY PWR TRANSFORMER " FUSE " VOLTAGE SELECTOR FUSE HOLDER CONNECTOR PINS DIODE CAPACITOR CAPACITOR FUSE ASSY RECTIFIER ASSY	EUROPE EUROPE U.L., C.S.A. EUROPE 0,5 A. EUROPE 1,6 A. EUROPE 220 V 240 V. EUROPE 9 PINS PANEL PINS RETTIFIER DIODE (IN 4002) EL., 2200uF, 64V. EL., 470uF, 40V. P.C. 24523 (EUROPE) P.C. 24376	73561 23064 23067 11017 11012 11241 11105 14039 14031 8156 3811 3651 76298 76306
VOLTAGE STABILIZER	SCHEMATIC REF. SO-2019	
PART	DESCRIPTION	PART NUMBER
VOLTAGE STAB.ASSY I.C. I.C. CAPACITOR CAPACITOR CONNECTOR CONNECTOR CONNECTOR CONNECTOR CAPACITOR	P.C. BOARD 24840 POSITIVE VOLTAGE REG. (7815) NEGATIVE VOLTAGE REG. (7915) EL., 47uF, 25V. EL., 100uF, 40V. 4 PINS 8 PINS 12 PINS CERAMIC, 4n7	76305 10060 10049 3404 3498 14043 14651 14648 1543
POWER AMPLIFIER	SCHEMATIC REF. S0-2019	
PART	DESCRIPTION	PART NUMBER
PWR AMPLIFIER ASSY TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR DIODE	P.C. BOARD 24520 SI., PNP, SIGNAL (BD 370) SI., NPN, SIGNAL (BD 371) SI., NPN, SIGNAL (BC 173) SI., NPN, PWR, T0220 (NPS 699) SI., PNP, PWR, T0220 (NPS 700) SI., SIGNAL (FDH 999)	73029 9274 9267 9182 9562 9710 8103

EL., 1000uF, 70V.

MIN., 47K

6 PINS

4 PINS

MIN., 470E

CAPACITOR

CONNECTOR

CONNECTOR

TRIMMER RES.

TRIMMER RES.

3725

7230

7108

14655 14043

MASTER OSCILLATOR	SCHEMATIC REF. S0-2001	
PART	DESCRIPTION	PART NUMBER
TRANSISTOR COIL CONNECTOR TRIMMER CAPACITOR CAPACITOR	SI., NPN, SIGNAL H.F., (BF 494) OSCILLATOR COIL, WHITE DOT 4 PINS TRIMMER CAPACITOR 2-10pF CERAMIC, 56pF CERAMIC, 10pF	9305 23518 14650 1600 1311 1235
CAPACITOR CAPACITOR CAPACITOR	CERAMIC, 39pF CERAMIC, 18pF CERAMIC, 33pF	1294 1261 1291

TANTALIUM, 47 uF, 16V. 6 POSITION

3937

11242.

KEYSWITCHES & FOOTA	GES GENERATOR SCHEMATIC REF. SO-2020	
PART	DESCRIPTION	PART NUMBER
KEYSWITCHES ASSY	P.C. BOARD 24.832	74577
1 . C .	OCTAVE TONE GENERATOR (TMS 3617)	10326
1.C.	QUAD OPERATIONAL AMPLIFIER (LM 324)	10056
TRANSISTOR	SI., PNP, SIGNAL, (BC 328)	9153
TRANSISTOR	SI., NPN, SIGNAL, (BC 239)	9225
DIODE	SI., SIGNAL (FDH 999)	8103
CONNECTOR	6 PINS	14625
CONNECTOR	8 PINS	14620
SOCKET	28 PINS	14607
SOCKET	14 PINS	14614
SPRING	FOR KEYBOARD CONTACT	16082
BUS BAR	cm. 89	16028
CAPACITOR	EL., 220uF, 25V.	3566
CAPACITOR	EL., 470uF, 25V.	3648
CAPACITOR	EL., 1uF, VERT.	3005
CAPACITOR	TANTALIUM, 1uF	3926
CAPACITOR	TANTALIUM, 10uF	3941

CAPACITOR

SWITCHER

PART	DESCRIPTION	PART NUMBER
FILTER ASSY	P.C. BOARD 24839	76317
	BOTTOM FRAME, BLACK	15230
	TOP FRAME, BLACK	15340
	SPRING CONTACT	16057
	UPPER CONTACT	16059
	LOWER CONTACT	16058
	RUBBER STOP	19111
TAB WHITE	PRINCIPALE 8'	28659
TAB "	FLAUTO 8'	28660
TAB "	DULCIANA 8'	28661
TAB "	OTTAVA 4'	28662
TAB "	FLAUTO 4'	28663
TAB "	NAZARDO 2'2/3	28664
TAB "	DECIMAQUINTA 2'	28665
TAB "	FLAUTINO 2'	28666
TAB "	DECIMANONA 1'1/3	28667
TAB "	RIPIENO 2' 1'1/3 1'	28,668
TAB "	OBOE 8'	28669
TAB "	TREMOLO	28670
CONNECTOR	5 PINS	14641
CONNECTOR	8 PINS	14651
CONNECTOR	4 PINS	14650
CONNECTOR	6 PINS	14655
I.C.	DUAL OPERATIONAL AMPLIFIER (1458)	10051
I.C.	SINGLE OTA (3080)	10001
I.C.	SINGLE OPERATIONAL AMPLIFIER (741)	10023
TRANSISTOR	SI., PNP, SIGNAL (BC 328)	9153
TRANSISTOR	SI., FET (P 1087)	9856
TRIMMER RES.	MIN., 4,7K	7161
TRIMMER RES.	MIN., 100K	7244
CAPACITOR	EL., VERT., 47uF, 16V.	3403
CAPACITOR	TANTALIUM, 15uF	3924
FILTER	PRINCIP A LE 8′ (P.C. 24.807)	76316
FILTER	FLAUTO 8' (P.C. 24.808)	76315
FILTER	DULCIANA 8'-0BOE 8' (P.C. 24.806)	76314
FILTER	FLAUTO 4' (P.C. 24.808)	76313
FILTER	NAZARDO 2' 2/3(P.C. 24.808)	76312
FILTER	FLAUTINO 2' (P.C. 24.808)	76311
FILTER	DECIMANONA 1' $1/3$ (P.C. 24.807)	76310
FILTER	OTTAVA 4' (P.C. 24.807	76309

REVERBERATION	SCHEMATIC REF. S0-2021	ARIZOLA NOTU
PART	DESCRIPTION	PART NUMBEI
REVERBERATION ASSY	COMPLETE	76308
AMPLIFIER ASSY	P.C. BOARD 24415	7 63 0 7
1.0	REVERBERATION UNIT	22048
I.C. TRIMMER RES.	DUAL OPERATIONAL AMPLIFIER (1458) HOR.MOUNT, MIN, 100K	10051 7244
CONNECTOR	10 PINS	14623
CAPACITOR	TANTALIUM, 10uF	3927
SWELL PEDAL	SCHEMATIC REF. S0-2021	
PART	DESCRIPTION	PART NUMBER
SWELL PEDAL ASSY	COMPLETE	79009
LAMP	LAMP 28V.	11204
CONNECTOR	8 PINS	12735
PHOTO-RESISTOR	LDR	8813
PHOTO-RESISTOR		
	MISCELLANEOUS	8813
PART	MISCELLANEOUS DESCRIPTION	
PART SLIDIN	MISCELLANEOUS DESCRIPTION SLIDIN FOR CHORALE	PART NUMBER
PART SLIDIN KEY	MISCELLANEOUS DESCRIPTION SLIDIN FOR CHORALE KEY FOR CHORALE	PART NUMBER 15387 19136
PART SLIDIN KEY PLATE	MISCELLANEOUS DESCRIPTION SLIDIN FOR CHORALE KEY FOR CHORALE PLATE " CHORALE"	PART NUMBER 15387 19136 18243
PART SLIDIN KEY PLATE PLATE	MISCELLANEOUS DESCRIPTION SLIDIN FOR CHORALE KEY FOR CHORALE PLATE " CHORALE " PLATE " GEM "	PART NUMBER 15387 19136 18243 18241
PART SLIDIN KEY PLATE	MISCELLANEOUS DESCRIPTION SLIDIN FOR CHORALE KEY FOR CHORALE PLATE " CHORALE " PLATE " GEM " LOCKER	PART NUMBER 15387 19136 18243 18241 19134
PART SLIDIN KEY PLATE PLATE LOCKER	MISCELLANEOUS DESCRIPTION SLIDIN FOR CHORALE KEY FOR CHORALE PLATE " CHORALE " PLATE " GEM "	PART NUMBER 15387 19136 18243 18241 19134 22051
PART SLIDIN KEY PLATE PLATE LOCKER SPEAKER SPEAKER	MISCELLANEOUS DESCRIPTION SLIDIN FOR CHORALE KEY FOR CHORALE PLATE " CHORALE " PLATE " GEM " LOCKER WIDE-RANGE, 8 ohm TWEETER, 8 ohm HEADPHONE JACK	PART NUMBER 15387 19136 18243 18241 19134
PART SLIDIN KEY PLATE PLATE LOCKER SPEAKER SPEAKER FRONT	MISCELLANEOUS DESCRIPTION SLIDIN FOR CHORALE KEY FOR CHORALE PLATE " CHORALE " PLATE " GEM " LOCKER WIDE-RANGE, 8 ohm TWEETER, 8 ohm HEADPHONE JACK SIMULATED WOOD ALLUMINIUM PANEL	PART NUMBER 15387 19136 18243 18241 19134 22051 22060 14192 17432
PART SLIDIN KEY PLATE PLATE LOCKER SPEAKER SPEAKER FRONT PLATE	MISCELLANEOUS DESCRIPTION SLIDIN FOR CHORALE KEY FOR CHORALE PLATE " CHORALE " PLATE " GEM " LOCKER WIDE-RANGE, 8 ohm TWEETER, 8 ohm HEADPHONE JACK SIMULATED WOOD ALLUMINIUM PANEL "RIVERBERO"	PART NUMBER 15387 19136 18243 18241 19134 22051 22060 14192 17432 18216
PART SLIDIN KEY PLATE PLATE LOCKER SPEAKER SPEAKER FRONT PLATE PLATE	MISCELLANEOUS DESCRIPTION SLIDIN FOR CHORALE KEY FOR CHORALE PLATE "CHORALE" PLATE "GEM" LOCKER WIDE-RANGE, 8 ohm TWEETER, 8 ohm HEADPHONE JACK SIMULATED WOOD ALLUMINIUM PANEL "RIVERBERO" "FASI"	PART NUMBER 15387 19136 18243 18241 19134 22051 22060 14192 17432 18216 18218
PART SLIDIN KEY PLATE PLATE LOCKER SPEAKER SPEAKER FRONT PLATE PLATE KNOB	MISCELLANEOUS DESCRIPTION SLIDIN FOR CHORALE KEY FOR CHORALE PLATE " CHORALE " PLATE " GEM " LOCKER WIDE-RANGE, 8 ohm TWEETER, 8 ohm HEADPHONE JACK SIMULATED WOOD ALLUMINIUM PANEL "RIVERBERO" "FASI" FOR SLIDE POTENZIOMETER	PART NUMBER 15387 19136 18243 18241 19134 22051 22060 14192 17432 18216 18218 15260
PART SLIDIN KEY PLATE PLATE LOCKER SPEAKER SPEAKER FRONT PLATE PLATE PLATE KNOB KNOB	MISCELLANEOUS DESCRIPTION SLIDIN FOR CHORALE KEY FOR CHORALE PLATE "CHORALE" PLATE "GEM " LOCKER WIDE-RANGE, 8 ohm TWEETER, 8 ohm HEADPHONE JACK SIMULATED WOOD ALLUMINIUM PANEL "RIVERBERO" "FASI" FOR SLIDE POTENZIOMETER FOR SWITCHER	PART NUMBE 15387 19136 18243 18241 19134 22051 22060 14192 17432 18216 18218 15260 15349
PART SLIDIN KEY PLATE PLATE LOCKER SPEAKER SPEAKER FRONT PLATE PLATE PLATE KNOB	MISCELLANEOUS DESCRIPTION SLIDIN FOR CHORALE KEY FOR CHORALE PLATE "CHORALE" PLATE "GEM " LOCKER WIDE-RANGE, 8 ohm TWEETER, 8 ohm HEADPHONE JACK SIMULATED WOOD ALLUMINIUM PANEL "RIVERBERO" "FASI" FOR SLIDE POTENZIOMETER FOR SWITCHER SLIDE, POTENZIOMETER, 50K	PART NUMBER 15387 19136 18243 18241 19134 22051 22060 14192 17432 18216 18218 15260 15349 7926
PART SLIDIN KEY PLATE PLATE LOCKER SPEAKER SPEAKER FRONT PLATE PLATE KNOB KNOB POT.	MISCELLANEOUS DESCRIPTION SLIDIN FOR CHORALE KEY FOR CHORALE PLATE "CHORALE" PLATE "GEM " LOCKER WIDE-RANGE, 8 ohm TWEETER, 8 ohm HEADPHONE JACK SIMULATED WOOD ALLUMINIUM PANEL "RIVERBERO" "FASI" FOR SLIDE POTENZIOMETER FOR SWITCHER	PART NUMBER 15387 19136 18243 18241 19134 22051 22060 14192 17432 18216 18218 15260 15349